

NCAS-M

The NOAA Cooperative Science Center in Atmospheric Sciences and Meteorology



Who Are We?

The NCAS-M Cooperative Science Center funded by the NOAA Educational Partnership Program is comprised of 9 partner institutions: Howard University (lead), Jackson State University, State University of New York-Albany, University of Maryland-College Park, University of Puerto Rico-Mayagüez, University of Texas-El Paso, University of Maryland-Baltimore County, Pennsylvania State University, and San Jose State University.

The essential mission of NCAS-M is to increase the number of work-force ready graduates from underrepresented communities in NOAA-related sciences. In pursuit of this, the Center collaborates with NOAA stakeholders in research and training activities.

Research and Training Activities

Since 2016 NCAS-M students and faculty have engaged in over 200 research and training activities with NOAA staff and contractors at various line offices and laboratories. The following are examples of some of the projects:

Fire Influence on Regional Global Environments and Air Quality. A collaborative field campaign and modeling project with NOAA (i.e., ESRL, CPO, NWS, NESDIS), NASA, and other partners that provide observations on the impact of wildfires on climate and air quality.

A Social Science Approach to Understanding Gaps in the Dissemination of Information and Behavioral Responses to Severe Weather. Collaborative multi-disciplinary work with NWS and NSSL scientists examining behavioral responses to probabilistic forecasts and severe weather information designed to inform impact-based decision support products.

Beltsville Observational Site. Global Climate Observing System (GCOS) Reference Upper-Air Network (GRUAN) radiosonde data and other measurements provided to NOAA.

Project Fest. Engagement with NWS to increase the number of collaborative opportunities within NOAA and raise the visibility of the NERTO program.

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